

Converting Colors

XYZ(17.9681, 32.1616, 62.8252)

Have a look what the booklet for
XYZ(17.9681, 32.1616, 62.8252)
contains.

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Color

**XYZ(27.3407, 37.0503,
63.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4CD
RGB	0, 180, 205
RGB Percent	0%, 71%, 80%
CMY	0.9998, 0.2941, 0.1961
CMYK	1.00, 0.12, 0.00, 0.20
HSL	187°, 100%, 40%
HSV	187°, 100%, 80%
XYZ	27.3407, 37.0503, 63.4680
YIQ	129.0300, -115.3050, -30.3850

Conversions

Conversions Part 2

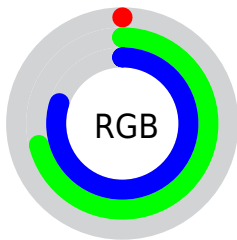
Format	Color
RYB	0, 96, 205
Decimal	46285
CIELab	67.31, -29.05, -23.42
CIELCh	67, 37.320, 218.874
Yxy	37.0503, 0.2138, 0.2898
Android (android.graphics.Color)	4278236365 (0xFF00B4CD)
YUV	129.0300, 37.4532, -113.1593
Hunter-Lab	60.8690, -26.3433, -19.2134

Details

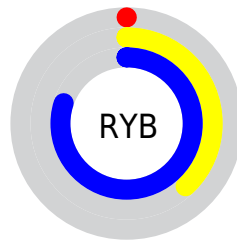
The XYZ color **27.3407, 37.0503, 63.4680** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **25.5260, 13.6766, 1.2958**, and the grayscale version is **20.7839, 21.8663, 23.8124**.

A 20% lighter version of the original color is **53.6390, 70.0945, 105.3103**, and **13.1753, 17.4131, 31.9448** is the 20% darker color. If you saturate the color by 10%, you get **27.3402, 37.0490, 63.4685**, and if you desaturate by 10%, it is **28.1504, 38.2246, 63.6527**.

Distribution



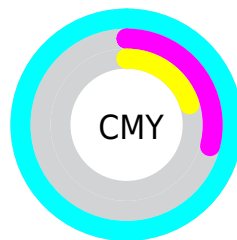
- Red (0%)
- Green (71%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3407, 37.0503, 63.4680 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.3407, 37.0503, 63.4680 by changing the saturation by 10% instead.

■ 27.3407, 37.0503,
63.4680

■ 27.3407, 37.0503,
63.4680

281.4405,
333.5282, 455.4206

■ 17.9672, 25.2464,
45.7765

■ 54.8461, 70.6501,
111.4365

■ 11.0260, 16.2608,
31.7221

■ 73.7088, 93.2149,
142.5506

■ 6.1517, 9.7089,
20.8863

■ 96.4651, 120.1354,
178.9759

■ 2.9791, 5.2064,
12.8505

■ 123.4806,
151.7961, 221.1311

■ 1.1427, 2.3688,
7.1961

■ 155.1205,
188.5813, 269.4346

■ 0.0604, 0.8098,
3.5048

191.7502,

■ 0.0000, 0.0000,

230.8755, 324.3050

1.3578

233.7351,
279.0630, 386.1608

■ 0.0000, 0.0000,
0.1085

■ 0.0000, 0.0000,
0.0000

■ 27.3407, 37.0503,
63.4680

■ 27.3407, 37.0503,
63.4680

■ 27.3402, 37.0490,
63.4685

■ 28.1504, 38.2246,
63.6527

■ 29.2855, 39.5795,
63.8544

■ 30.8553, 41.1721,
64.0791

■ 32.9177, 43.0325,
64.3295

■ 35.5219, 45.1859,
64.6079

■ 38.7109, 47.6547,
64.9163

■ 42.5234, 50.4589,
65.2566

■ 46.9948, 53.6166,
65.6305

■ 52.1576, 57.1450,
66.0394

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.4434, 37.0503, 45.3890



27.3407, 37.0503, 63.4680



31.4046, 37.0503, 77.3531

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.3407, 37.0503, 63.4680



46.4811, 37.0503, 52.7683



33.5485, 37.0503, 16.5673

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.3407, 37.0503, 63.4680



25.5260, 13.6766, 1.2958

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.3223, 37.0503, 17.5456



27.3407, 37.0503, 63.4680



47.2146, 37.0503, 35.6828

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.3407, 37.0503, 63.4680



42.5649, 37.0503, 70.1056



44.4728, 37.0503, 23.6505



28.7643, 37.0503, 20.4799

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.3407, 37.0503, 63.4680



34.9999, 37.0503, 80.6511



44.4728, 37.0503, 23.6505



35.4314, 37.0503, 16.3635

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.3419, 37.0516, 63.4689



69.3803, 82.4547, 106.8664



21.9966, 43.7292, 8.1431



14.2559, 17.2162, 22.8216



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3419, 37.0516, 63.4689



44.6780, 60.4761, 103.9260



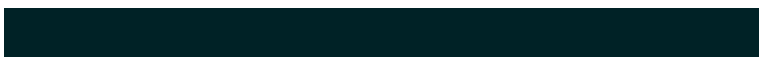
13.7883, 9.9443, 58.9510



11.4220, 12.4844, 14.3781



17.0671, 23.1581, 39.5267



0.9141, 1.2620, 2.0504

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.4161, 16.2757, 44.5616



54.6806, 26.6362, 72.7073



32.6940, 28.0126, 3.6851



11.6263, 11.3793, 13.8329



20.8256, 10.1408, 27.8639



1.0914, 0.5299, 1.5269

Previews

White Background



This preview shows how the XYZ color 27.3407, 37.0503, 63.4680 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.3407, 37.0503, 63.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

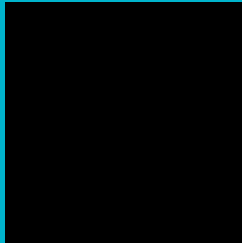
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3407, 37.0503, 63.4680

Background



This preview shows how black text looks on a background with the XYZ color 27.3407, 37.0503, 63.4680.



This preview shows how white text looks on a background with the XYZ color 27.3407, 37.0503,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.3407, 37.0503, 63.4680

Protanopia

36.1639, 36.4636, 55.0013

Deuteranopia

37.5301, 36.6648, 66.0717



Tritanopia

26.4877, 37.0333, 57.9766

Trichromacy



Original Color

27.3407, 37.0503, 63.4680



Protanomaly

29.3362, 34.7458, 57.9838



Deuteranomaly

30.2409, 34.7882, 64.7954



Tritanomaly

26.8327, 37.1713, 59.7934

Monochromacy



Original Color

27.3407, 37.0503, 63.4680



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.1554, 25.4080, 35.7402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3407, 37.0503, 63.4680 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 180, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 180, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 205) }
```

Border

The CSS property to change the border of an element to XYZ 27.3407, 37.0503, 63.4680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 180, 205) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 180, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 180, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3407, 37.0503, 63.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 180,  
205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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